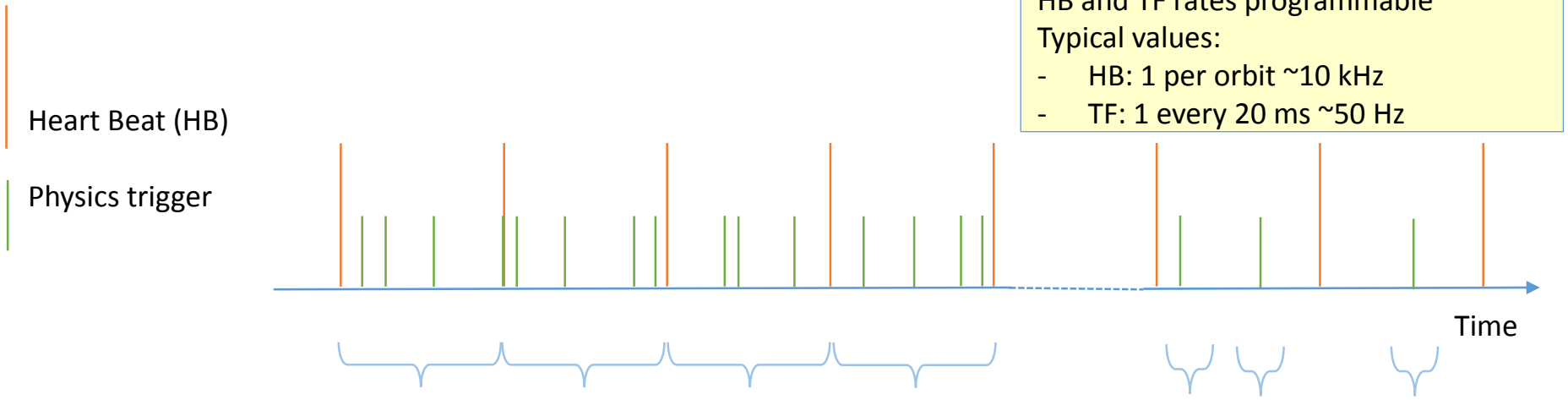
Continuous read-out: Triggers, Heart Beats, Timeframe

HB and TF rates programmable
Typical values:
- HB: 1 per orbit ~10 kHz
- TF: 1 every 20 ms ~50 Hz



Heart Beat Frames (HBF): stream of data delimited by two HBs

Trigger data fragments

FLP1 FLP2 FLP N

Sub-Time Frame (STF): grouping of all consecutive HBFs during a time period

STF: encapsulating subevents

Time Frame grouping of all STFs from all FLPs for the same time period
from detectors triggered or read out continuously for the same time period